

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

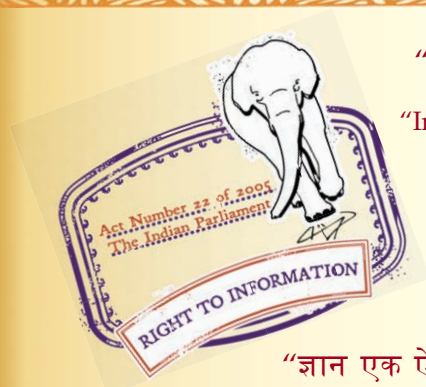
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

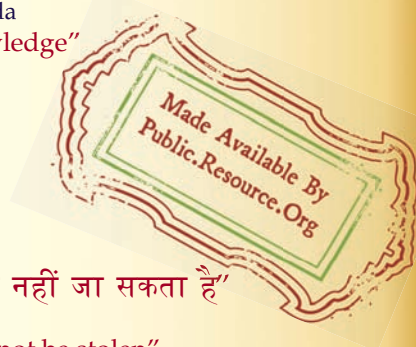
IS 9387-2 (1979): Taper Male Stud Elbow Body for
Oil-hydraulic Couplings, Part II: Made From Bar Stock [PGD
17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

BLANK PAGE



Indian Standard

(Reaffirmed 2002)



SPECIFICATION FOR TAPER MALE STUD ELBOW BODY FOR OIL-HYDRAULIC COUPLINGS

PART II MADE FROM BAR STOCK

1. Scope — Specifies the dimensions, material and other requirements for taper male stud elbow body for use in oil-hydraulic systems.

2. Dimensions — Shall be as given in Table 1.

3. Material — Steel according to Designation 14C 14S14 of IS : 1570 (Part III)-1979 ' Schedules for wrought steels: Part III Carbon and carbon-manganese free cutting steels (*first revision*) ' or any other steel as agreed to between the user and the manufacturer.

4. Surface Protection — Elbow bodies shall be phosphated to class A2 of IS : 3618-1966 ' Specification for phosphate treatment of iron and steel for protection against corrosion ', unless otherwise agreed to between the user and the manufacturer.

5. General Requirements

5.1 These elbow bodies are intended for assembly in accordance with Type A of IS : 9411-1980 ' Specification for elbow coupling assemblies for oil-hydraulic systems '.

5.2 For details not covered in this standard, reference shall be made to IS : 8805 (Part I)-1978 ' General requirements for ferrule type couplings used in oil-hydraulic systems: Part I General '.

6. Designation — A taper male stud elbow body of light series L for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Stud Elbow Body L6 IS : 9387 (Part II)

EXPLANATORY NOTE

This standard covers elbow bodies made from bar stock only. The elbow bodies made from forgings are covered in IS : 9387 (Part I)-1979 ' Specification for taper male stud elbow body for oil-hydraulic couplings: Part I Made from forgings '.

In the preparation of this standard, assistance has been derived from the following standards:

BS 4368 Specification for carbon and stainless steel compression couplings for tubes: Part 1: 1972 Heavy series (metric) and Part 3: 1974 Light series (metric).

DIN 3903-1966 Non-soldered taper-bush type pipe unions; elbow used as an adaptor with taper thread on screwed in end for use with union nut.

Adopted 19 December 1979

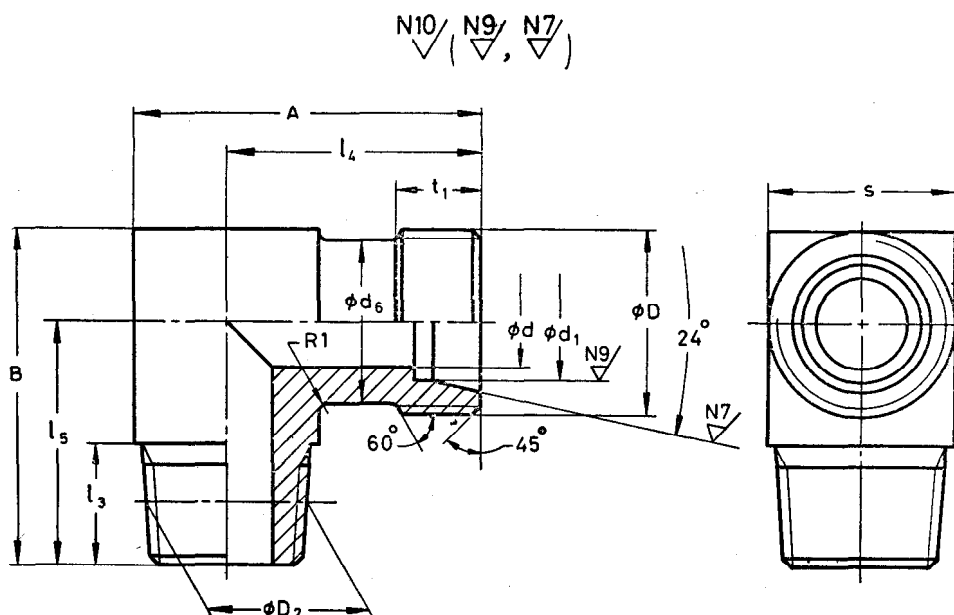
© October 1980, ISI

Cr I

TABLE 1 DIMENSIONS FOR TAPER MALE STUD ELBOW BODY MADE FROM BAR STOCK

(Clause 2)

All dimensions in millimetres.



Series	Outside Dia of Tube	D*	D ₂ †	d	d ₁ B11	d ₆ h13	t ₁ ±0.2	l ₃ ±0.2	l ₄ ±0.3	l ₅ ±0.3	A +0.5	B +0.5	s‡
Light L	4	M 8 × 1	R1/8	3	4	6.4	6	10	15	17	20.5	21	10
	6	M12 × 1.5	R1/8	4	6	9.7	7	10	19	20	26.0	26	12
	8	M14 × 1.5	R1/4	6	8	11.7	8	14	21	26	29.0	33	14
	10	M16 × 1.5	R1/4	7	10	13.7	8	14	22	27	31.0	35	17
	12	M18 × 1.5	R3/8	9	12	15.7	9	14	24	28	34.0	37	19
	15	M22 × 1.5	R1/2	11	15	19.7	10	16	28	34	40.0	45	22
	18	M26 × 1.5	R1/2	14	18	23.7	10	16	31	36	45.0	49	27
Heavy H	6	M14 × 1.5	R1/4	4	6	11.7	10	14	23	26	31.0	33	14
	8	M16 × 1.5	R1/4	5	8	13.7	10	14	24	27	33.0	35	17
	10	M18 × 1.5	R3/8	7	10	15.7	10	14	25	28	35.0	37	19
	12	M20 × 1.5	R3/8	8	12	17.7	10	14	29	28	38.0	38	22
	14	M22 × 1.5	R1/2	10	14	19.7	11	16	30	32	42.0	43	22
	16	M24 × 1.5	R1/2	12	16	21.7	11	16	33	32	44.0	44	24

*Threads conforming to IS : 4218-1976 'ISO metric screw threads', class 6g.

†Threads conforming to IS : 554-1975 'Dimensions for pipe threads where pressure tight joints are required on the threads (second revision)'.

‡Tolerance on s : h13 for s up to 32 mm.
h14 for s above 32 mm.